

What is claimed is :

1. A hair iron device comprising a hair iron main body to hold hair with a first iron and a second iron oscillatable to open and close to set the hair, and plural small protruding portions disposed on corresponding faces which mutually come close in a closed state of the first iron and the second iron to hold the hair as to mutually engage.

2. The hair iron device as set forth in claim 1, wherein the small protruding portion is pyramidal.

3. The hair iron device as set forth in claim 1, wherein the small protruding portion is a regular pyramid.

4. A hair iron device having a hair iron main body to hold hair with a first iron and a second iron to set the hair comprising a construction in which the hair iron main body has electric heaters each of which is embedded in the first iron and the second iron respectively, and steam is jetted out of the first iron and sucked by the second iron.

5. A hair iron device having a hair iron main body to hold hair with a first iron and a second iron to set the hair comprising a construction in which plural small protruding portions are disposed on corresponding faces which mutually come close in a closed state of the first iron and the second iron to hold the hair as to mutually engage, a steam-jetting hole is disposed on the corresponding face of the first iron, a steam suction hole is disposed on the corresponding face of the

second iron, and an electric heater is embedded in each of the first iron and the second iron.

6. The hair iron device as set forth in claim 5, wherein the steam-jetting hole is positionally dislocated from the steam suction hole when observed in a direction at right angles with the corresponding faces in the closed state in which the corresponding faces mutually come close.

7. The hair iron device as set forth in claim 4 or claim 5, wherein the first iron is positioned on a scalp side and the second iron is positioned on an outer side in use.

8. The hair iron device as set forth in claim 5, wherein the small protruding portion is pyramidal.

9. The hair iron device as set forth in claim 5, wherein the small protruding portion is a regular pyramid.

10. The hair iron device as set forth in claim 4, 5, or 6, wherein a steam valve, which becomes closed in an open state of the first iron and the second iron and becomes open in the closed state of the first iron and the second iron, is attached to the hair iron main body.

11. The hair iron device as set forth in claim 4, 5, or 6, wherein a suction switch, which is switched off in an open state of the first iron and the second iron and switched on in the closed state of the first iron and the second iron, is attached to the hair iron main body, and a suction means connected to the hair iron main body through a

suction tube is switched on and off by the suction switch.

12. The hair iron device as set forth in claim 11, wherein a steam valve, which becomes closed in the open state of the first iron and the second iron and becomes open in the closed state of the first iron and the second iron, is attached to the hair iron main body, and a drain tube to send drain from the steam valve to a steam trap is provided.

13. The hair iron device as set forth in claim 11, wherein a steam valve, which becomes closed in the open state of the first iron and the second iron and becomes open in the closed state of the first iron and the second iron, is attached to the hair iron main body, a drain tube to return drain from the steam valve to a boiler is provided, a circulation, in which the steam from the boiler is supplied to the steam valve through a steam-supplying tube connecting the boiler to the steam valve and returned to the boiler through the drain tube, is always conducted when the steam valve is closed, and the steam of the boiler is jetted out of the hair iron main body when the steam valve is open.